

# **DART SERVICE INSTRUCTION**

**TO AMEND INSTALLATION INSTRUCTIONS IIN-D135-751 REV. C OR LATER APPROVED REVISION AND  
INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D135-751 REV. 2 OR LATER APPROVED REVISION**

REF. FAA STC: SR01709SE

REF. TCCA STC: LOA RDIMS-9661680-v1

REF. EASA STC: EASA.IM.R.S.01278

## **1.0 PURPOSE**

Customers have reported progressive rotation of DART D135-751-011 Skidtube Installations when installed on Airbus crosstubes. The DART skidtubes are not compatible with the anti-rotation feature of the Airbus saddles.

D135-751-011 Skidtube Installation @ CHG 003 or later includes a D5677-1 Pin that may be installed to prevent rotation when installed on Airbus crosstubes. The DSI 9856-011 Anti-Rotation Kit is available for customers with D135-751-011 Skidtube Installations @ CHG 002 or earlier.

Note that DART D135-1027-101/-103 Fwd Crosstubes (ref. FAA STC SR04276NY, TCCA STC SH18-49, EASA STC 10068097) include D5677-1 Pins and instructions for installation with the skidtubes.

## **2.0 INSTALLATION OF D135-751-011 AT CHG 003 OR LATER**

If installing the D135-751-011 Skidtube Installation with Airbus crosstubes, perform the following after Step 3.1.2 of IIN-D135-751:

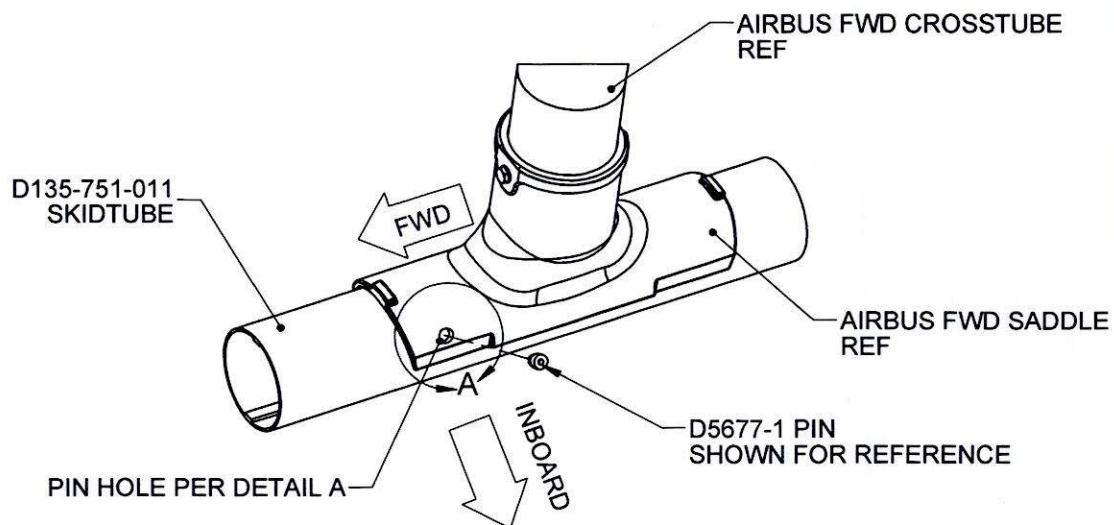
- 2.1 Pilot drill Ø0.125" (Ø3.2mm) through the forward saddle per Figure 1, Detail A of this service instruction.
- 2.2 Temporarily position and secure the fwd saddle onto the skidtube per Figure 1 of IIN-D135-751. Ensure the saddle is positioned correctly and that the skidtube will be vertical with weight on the landing gear. Transfer mark the pilot hole onto the skidtube.
- 2.3 Remove skidtube and open the saddle hole to Ø0.516" (Ø13.1mm). Open the hole in the skidtube to Ø0.386" (Ø9.8mm). Deburr holes and touch up with chemical film (Alodine 1200) per MIL-DTL-5541.
- 2.4 Continue the installation of the skidtube per Section 3.1.3 of IIN-D135-751. However, ensure the D5677-1 Pin is installed under the fwd clamp of the fwd saddle as shown in Figure 1 & 2 of this service instruction. Seal the surface between the pin and skidtube with Sikaflex-241/-291 or Proseal 890 or MIL-S-8802 Class 'B2" sealant.

## **3.0 RE-INSTALLATION OF D135-751-011 AT CHG 003 OR LATER**

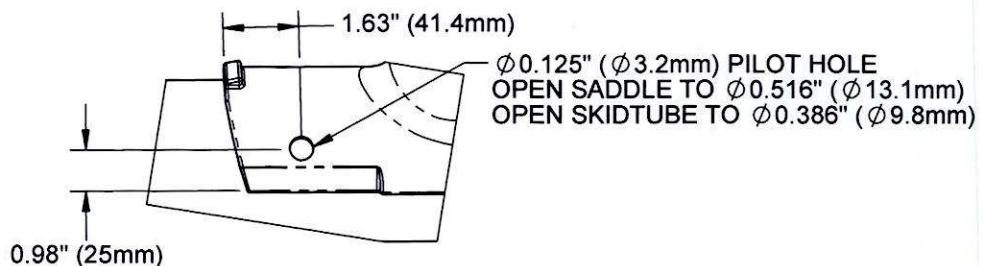
- 3.1 When reinstalling the D135-751-011 Skidtube Installation per Section 32.2 of ICA-D135-751, ensure the D5677-1 Pin is installed under the fwd clamp of the fwd saddle per Figure 1 & 2 of this service instruction. Seal the surface between the pin and skidtube with Sikaflex-241/-291 or Proseal 890 or MIL-S-8802 Class 'B2" sealant.

**APPROVED**

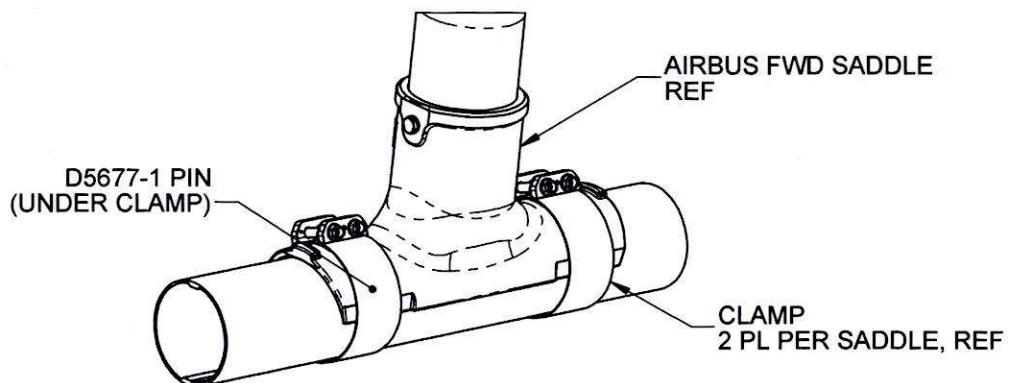
A	NEW ISSUE		SAD	21.07.16
REV.	DESCRIPTION		BY	DATE
DESIGN	SAD	<b>DART AEROSPACE USA, INC.</b> HILLSBORO, OR		
DRAWN	SAD			
CHECKED	HE	DRAWING NO.	REV. A	
MFG. APPR.	SAD	DSI 9856	SHEET 1 OF 3	
APPROVED	CP	TITLE	SCALE	
DE APPR.	DS-#	ANTI - ROTATION KIT	NTS	
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**FIGURE 1 - DRILLING DETAIL**



**DETAIL A - HOLE LOCATION**



**FIGURE 2- D5677-1 PIN INSTALLATION**

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## 4.0 INSTALLATION OF DSI 9656-011 ANTI-ROTATION KIT

To install the DSI 9656-011 Anti-Rotation Kit on D135-751-011 Skidtube Installations @ CHG 002 or earlier:

- 4.1 Remove the skidtube(s) per Section 32.1 of ICA-D135-751.
- 4.2 Reinstall the skidtube(s) per IIN-D135-751 and Section 2.0 of this service instruction.

## 5.0 PARTS LISTS

D135-751-011 Skidtube Installations @ CHG002 and earlier can be modified with the DSI 9856-011 Anti-Rotation Kit. Qty(1) kit contains enough pins to modify qty(2) skidtubes.

QTY -011	PART NUMBER	DESCRIPTION
X	DSI 9856-011	ANTI-ROTATION KIT
2	D5677-1	PIN

Amend the Parts List of IIN-D135-751 Section 5.0 and ICA-D135-751 Section 32.9 as follows:

ITEM	QTY -011	QTY -041	QTY -043	QTY -101	PART NUMBER	DESCRIPTION
	X				D135-751-011	SKIDTUBE INSTALLATION
1	X				D135-751-041	REPLACEMENT SKIDTUBE
		X			D135-751-043	WEARPLATE KIT
			X		D135-751-101	SKIDTUBE EXTENSION KIT
	1				D5677-1	PIN (ADD)

## 6.0 WEIGHT AND BALANCE

This change has no effect on Weight and Balance.

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